

PROJECT TITLE : CIGARETTE AND SMOKE ANALYSIS
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COMPARATIVE RESULTS OF THE OFFICIAL LABORATORY OF THE
"CANTON DE VAUD" (Dr. AUBORT) AND QA PME

The following table shows the tar and SN results obtained by
Dr Aubort, compared with those obtained by QA PME on the
same samples.

| | Dr.Aubort | | QA PME | | Printed values | |
|--------------------------|-----------|----------|--------|----------|----------------|----------|
| | Tar | Nicotine | Tar | Nicotine | Tar | Nicotine |
| Brunette Double Filtre | 14,1 | 0,83 | 14,2 | 0,82 | 14 | 1,0 |
| Brunette Extra | 5,0 | 0,37 | 5,0 | 0,35 | 6 | 0,5 |
| Brunette No. 3 | 2,4 | 0,23 | 2,3 | 0,25 | 3 | 0,3 |
| Flint Soft | 7,2 | 0,58 | 7,7 | 0,56 | 7 | 0,6 |
| Flint KS Box | 6,8 | 0,49 | 7,4 | 0,53 | 7 | 0,6 |
| Muratti Ambassador Box | 11,9 | 0,91 | 11,5 | 0,88 | 12 | 0,9 |
| Muratti Ambassador Extra | 5,1 | 0,38 | 4,7 | 0,38 | 5 | 0,4 |
| Marlboro Box | 15,9 | 1,18 | 16,0 | 1,13 | 16 | 1,2 |
| Marlboro KS | 15,3 | 1,18 | 15,2 | 1,14 | 16 | 1,2 |
| Marlboro 100'S | 15,6 | 1,30 | 16,0 | 1,18 | 17 | 1,2 |
| Average | 9,93 | 0,75 | 10,00 | 0,72 | | |

Table 1 :
Comparative results of Dr Aubort and QA PME.

Dr. Aubort used a Filtrona 302 smoking machine (8 ports) and on average found practically the same Tar and SN values as QA PME who used a Filtrona 300 smoking machine (20 ports).

COLLECTIVE TEST CARRIED OUT BY THE THREE PM LABORATORIES
MUNICH, EINDHOVEN AND NEUCHÂTEL

Each laboratory analysed 120 cigarettes of each of 3 brands in order to find out whether a deviation in DPM and smoke nicotine exists and if so, for what reasons.

The following table shows the results of this collective test (ref. 2):

| | Dry Particulate Matter DPM (mg/cig) | | | Smoke Nicotine SN (mg/cig) | | |
|--------|---|--------|----------|-------------------------------|--------|----------|
| | Munich | Eindh. | Neuchât. | Munich | Eindh. | Neuchât. |
| MLK 21 | 16,8 | 16,6 | 16,4 | 0,88 | 0,95 | 0,97 |
| MER 03 | 8,4 | 8,7 | 8,4 | 0,52 | 0,56 | 0,54 |
| M 20 | 18,5 | 18,2 | 17,8 | 1,06 | 1,11 | 1,12 |

Table 2:
Collective test carried out by the three PM laboratories on three different brands.

The results obtained by the three laboratories on DPM are practically the same, but the Munich results tended to be on the high side and Neuchâtel results on the low side.

Concerning the SN results, we observed that Munich systematically obtained lower results than Eindhoven and Neuchâtel. It seems that this deviation is due to incomplete extraction of the cam-bridge filter. A collective test will be made between Munich and Neuchâtel to confirm this supposition.

PRODUCT REPORTS

Product reports were written on the following new or modified brands:

| <u>Brands</u> | <u>Manufacturer</u> | <u>Country of Sale</u> |
|--|---------------------|------------------------|
| Jean Bastos 79/F (national relaunch, redesigned pack) | Badische T. | West Germany |
| Belvedere Int. de Luxe 84/F (relaunching in box, previously princess pack) | Austria DB | West Germany |

| <u>Brands</u> | <u>Manufacturer</u> | <u>Country of Sale</u> |
|---|---------------------|------------------------|
| Carrolls Original Virginia 94/F (new brand) | Imported by Tuxedo | West Germany |
| Topkapi 100/F (new brand) | Austria | West Germany |
| Winston Int. 90/F (new brand) | Reynolds | West Germany |
| Johnny 84/F (new brand) | Monital | Italy |
| Benson & Hedges Special Mild Aroma 84/F (new brand) | BAT | Switzerland |
| West 84/F (new brand) | Reemtsma | Switzerland |

REFERENCES:

1. Senehi-F report (April 13 1981)
2. Senehi-F report (April 14 1981)

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